Modern Information Retrieval

the concepts and technology behind search

Second edition



Ricardo Baeza-Yates Berthier Ribeiro-Neto

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To Helena, Rosa, and our children

Amo los libros exploradores, libros con bosque o nieve, profundidad o cielo

Un libro, un libro lleno de contactos humanos, de camisas, un libro sin soledad, con hombres y herramientas, un libro es la victoria.

de "Oda al Libro" (I) y (II), en *Odas Elementales*, 1954.

Pablo Neruda

I love books that explore, books with a forest or snow, depth or sky

A book, a book full of human contacts, of shirts, a book without solitude, with people and tools, a book is the victory.

from "Ode to the Book" (I) and (II), in $Elemental\ Odes,\ 1954.$

Pablo Neruda

território de homens livres que será nosso país e será pátria de todos. Irmãos, cantai esse mundo que não verei, mas virá um dia, dentro de mil anos, talvez mais... não tenho pressa.

de "Cidade Prevista" no livro A Rosa do Povo, 1945.

Carlos Drummond de Andrade

territory of free men that will be our country and will be the nation of all Brothers, sing that world which I'll not see, but which will come one day, in a thousand years, maybe more...no hurry.

from "Prevised City" in the book *The Rose of the People*, 1945.

Carlos Drummond de Andrade

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